

AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows:

On page 1, before "FIELD OF THE INVENTION", amend the section as follows:

This application is a continuation of U.S. Application No. 08/913,918, filed December 8, 1997, which is ~~a continuation of the National Stage of International~~ PCT Application No. PCT/US96/04407, filed March 28, 1996, which is a continuation-in-part of U.S. Application No. 08/412,066, filed March 28, 1995, now U.S. Patent No. 5,716,616, ~~(issued on February 10, 1998 as U.S. Patent No. 5,716,616)~~, and which claims priority to U.S. Provisional Application No. 60/006,627, filed November 13, 1995.

Replace the paragraph on page 9, lines 9-31, with the following:

Accordingly, stromal cells from a matched donor may be administered intravenously to individuals suffering from diseases involving bone, cartilage or lung cells, or dermis, blood vessel, heart or kidney cells, in order to augment or replace the individual's bone, cartilage or lung cells, or dermis, blood vessel, heart or kidney cells. Stromal cells from a matched donor may be administered intravenously to individuals suffering from diseases associated with defective gene expression in bone, cartilage or lung cells, or dermis, blood vessel, heart or kidney cells, in order to replace the individual's bone, cartilage or lung cells, or dermis, blood vessel, heart or kidney cells, that don't express or under express a normal gene and/or express a mutated ~~seene~~ gene. Stromal cells may also be transfected with heterologous genes in gene therapy protocols. According to such aspects of the invention, matched donor stromal cells or stromal cells from an individual may be removed and genetically altered prior to reintroducing the cells into the individual. The cells may be genetically altered to introduce a gene whose expression has therapeutic effect on the individual. According to some aspects of the invention, stromal cells from an individual may be genetically altered to replace a defective gene and/or to introduce a gene whose expression has therapeutic effect on the individual.

Replace the paragraph on page 13, lines 3-14 as follows:

In some aspects, individuals suffering from diseases of the bone, cartilage and lungs as well as those suffering from diseases of the dermis, blood vessels, heart and kidneys can be

treated by isolated stromal cells, expanding their number and systemically administering the expanded, rejuvenated stromal cells. Some of the rejuvenated stromal cells will develop into normal bone, cartilage, lung, dermis, blood vessel, heart or kidney cells. Normal stromal cells expand more quickly ~~[[the]]~~ than defective ones and the expanded rejuvenated ~~populataion~~ population will reflect a greater proportion of normal cells. Table 1 describes media useful to culture expanded rejuvenated cultures of isolated stromal cells.